

**Attachment Sheet
GEN4 ARMORER'S MANUAL**

GLOCK

"SAFE ACTION" Pistols



 **FIREFARM SAFETY**
IS EVERYONE'S BUSINESS

GEN4
NEXT GENERATION OF PERFECTION

Gen4 INFORMATION

In January, 2010 GLOCK introduced the Gen4 (4th Generation) pistols.

The Gen4 guns are a major external and internal re-design of the pistols GLOCK offered in the past.

GLOCK listens to its customers and based on the feedback from real-world users, continually tries to satisfy their needs by upgrading the design whenever possible.

The following parts should **NOT** be casually interchanged with the same parts in the Gen1, Gen2 and Gen3 pistols. Some of the parts may fit and appear to function properly, but extreme care should be taken and these Gen4 parts should not be used in earlier generation pistols without approval from GLOCK staff.

Receiver	Recoil Spring Assembly	Slide Lock Spring
Slide	Back-Strap Assemblies	Ejector
Barrel	Trigger Mechanism Housings	Magazine Catch
Trigger Bar	Trigger Mechanism Housing Pin	Connector
	Locking Block (Compact Models)	

ALWAYS CONSULT THE MOST RECENT GLOCK PARTS LIST TO ENSURE USE OF THE PROPER PART

The GLOCK Gen4 pistols offer several new advantages:

- Less perceived recoil and reduced muzzle flip as compared to the same ammunition in prior pistols
- Stainless steel, double-wound, two-stage recoil spring assembly
- Double the rated service life of the earlier recoil spring assembly (5000 rds for G22 springs compared to 2500)
- Smallest circumference short-grip GLOCK has ever offered
- Shortest reach from the backstrap to trigger GLOCK has ever offered
- Four additional 'snap on' full-length backstraps (medium and large) for bigger hands/longer fingers
- Three times larger magazine catch that also extends further to the rear (easier to reach without shifting grip)
- Reversible magazine catch (approximately 1 minute switch from other side for left-handed operators)
- Extremely reliable feeding
- Tighter 'lock up' should increase accuracy
- Fits earlier generation holsters
- Easy to grip RTF4 frame with pointed 'polymids' instead of checkering for increased stability
- No price increase for LE/Military customers (same pricing as earlier generation pistols)

Component Parts of GLOCK Pistols

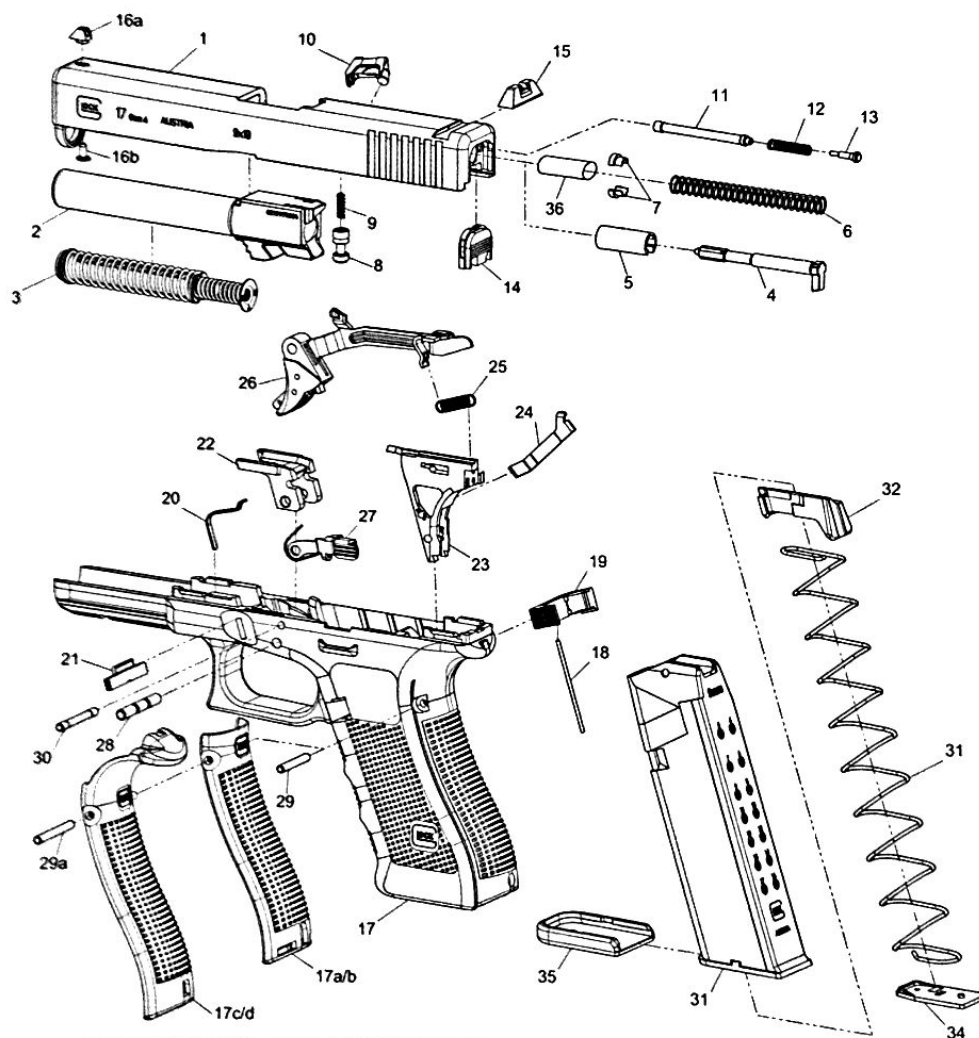
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Exploded Drawing

Exploded Drawing GLOCK 17 Gen4

6



- | | | | |
|--------------------------------|---|---|--------------------------------|
| 1 Slide | 12 Extractor depressor plunger spring | 18 Magazine catch spring | 28 Trigger pin |
| 2 Barrel | 13 Spring-loaded bearing | 19 Magazine catch | 29 Trigger housing pin (short) |
| 3 Recoil spring assembly* | 14 Slide cover plate | 20 Slide lock spring | 29a Trigger housing pin (long) |
| 4 Firing pin | 15 Rear sight | 21 Slide lock | 30 Locking block pin |
| 5 Spacer sleeve | 16a Front sight | 22 Locking block | 31 Magazine tube |
| 6 Firing pin spring | 16b Front sight screw | 23 Trigger mechanism housing with ejector | 32 Follower |
| 7 Spring cups | 17 Frame | 24 Connector | 33 Magazine spring |
| 8 Firing pin safety | 17a/b Backstrap medium / large | 25 Trigger spring | 34 Magazine insert |
| 9 Firing pin safety spring | 17c/d Beavertail backstrap medium / large | 26 Trigger with trigger bar | 35 Magazine floor plate |
| 10 Extractor | | 27 Slide stop lever | 36 Channel liner |
| 11 Extractor depressor plunger | | | |

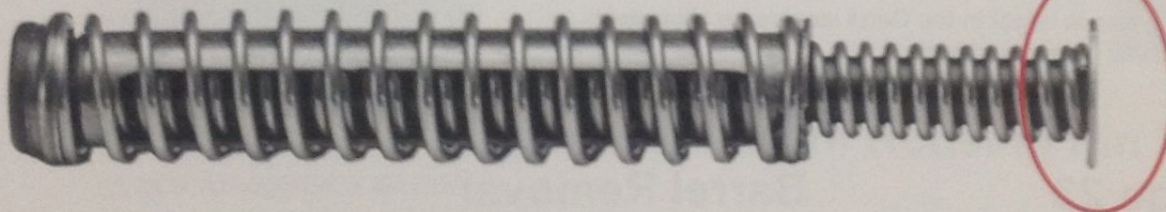
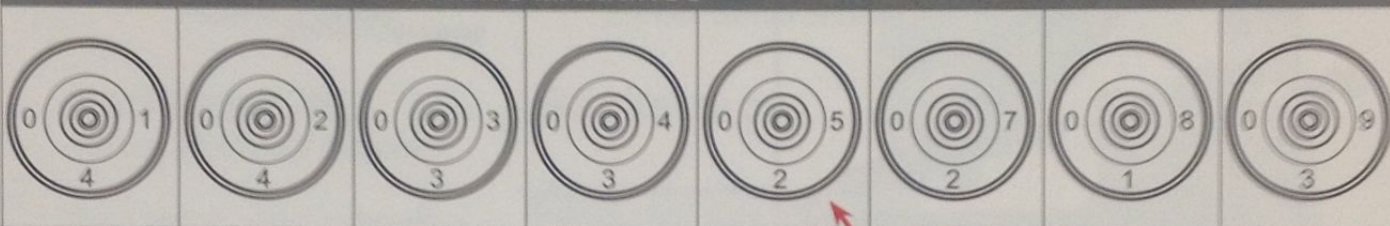
Gen4 RECOIL SPRING ASSEMBLY

IDENTIFICATION CHART

DUAL RECOIL SPRING

G22 Gen4 G31 Gen4 G35 Gen4 G37 Gen4	G17 Gen4 G34 Gen4	G23 Gen4 G32 Gen4 G38 Gen4	G19 Gen4	G17T Gen4	G20 Gen4 G21 Gen4	G26 Gen4 G27 Gen4 G33 Gen4	G29 Gen4 G30 Gen4 G30S
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CURRENT DUAL RECOIL SPRING MARKINGS



**5000 Round
Nominal
Service Life**

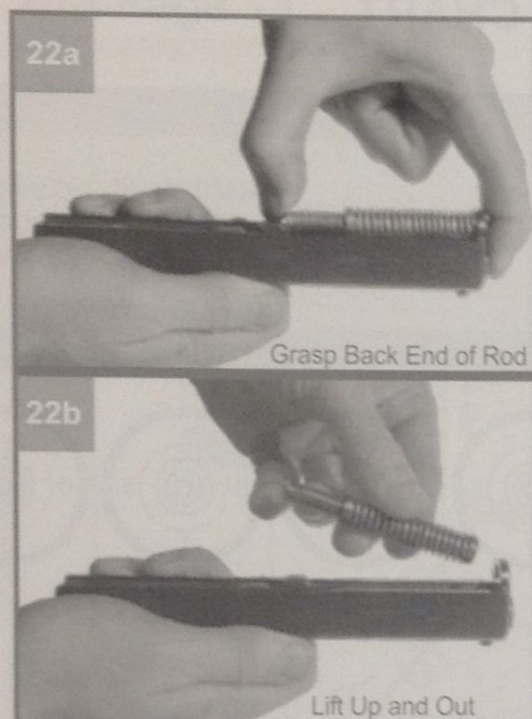
1-877-745-8523 Toll Free
RSA Exchange Call Center



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Recoil Spring/Rod Removal



- With thumb and forefinger, grasp the recoil spring assembly near the end that is against the barrel lug. The spring is "captured" on the rod and compressing the spring about 1/4 in. (6 mm) will allow it to be removed.

Gen4 Recoil Spring Assemblies (RSA) are not interchangeable with earlier generation pistols.



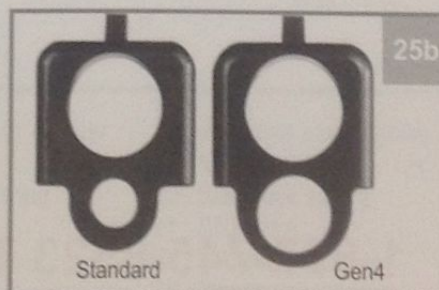
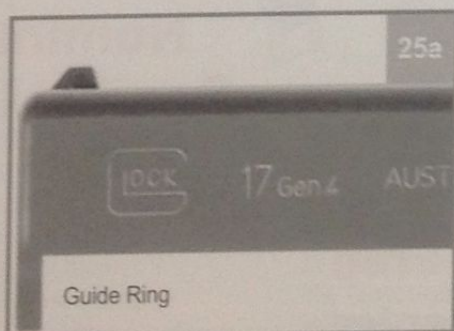
Gen4 Receivers and Slides are different from earlier models.

The red circled area is larger in the Gen4 receiver to allow room for the larger recoil spring assembly.

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Barrel Removal



Caution

When field stripping, guard against dropping the slide assembly and damaging the guide ring or the rear of the slide rails. Check for cracks and/or bent rails.

Because the Recoil Spring Assembly is physically larger in Gen4 models than in earlier pistols, both the Guide Ring and Receiver areas must be larger.

Gen4 Slides and Receivers should not be casually interchanged with earlier models.

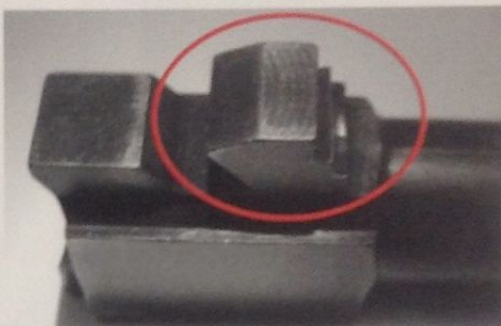
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Gen4 barrel bottom lugs are beveled.



Gen4 Models



Earlier Generations

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Gen4 Models are produced with a SF (Short Frame) reduced grip area size and provide a shorter 'reach' from the backstrap to the trigger. This allows a better 'fit' for those with smaller hands.

Gen4 Models have additional backstraps available to build up the smaller SF grip area to better fit larger hands.

Backstraps



add Page 38 Trigger Mechanism Housing Pin Removal

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- Using the punch, press on the left side of the trigger mechanism housing pin and remove it from the right side of the receiver.

Note:

This pin is the same diameter as the locking block pin, but is made of polymer and contacts polymer parts.



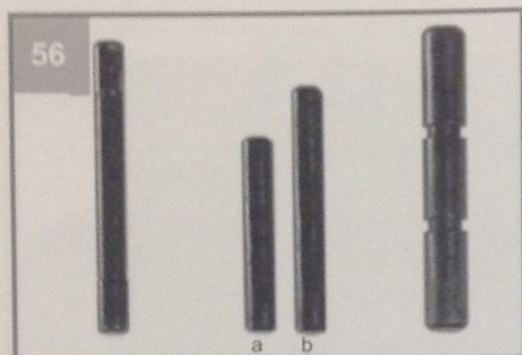
Caution

Take care to reinstall the proper pin in each location.

For comparison of different pin sizes please check next page.

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Locking Block
Pin
(Steel)
"First Pin"

Trigger
Mechanism
Housing Pin
(Polymer)
a: short Pin
b: long Pin

Trigger Pin
(Steel)
(Large with
2 Grooves)

Comparison of the Four Pins

- "First" Pin – Locking Block Pin
(1st Pin Removed and 1st Pin Reinstalled)
- Trigger Mechanism Housing Pin.
 - a: Short Pin:
Initially mounted on pistol w/o back strap.
For pistol w/o back strap.
 - b: Long Pin:
For use with optional back straps.
- Trigger Pin
(move slide stop lever to remove)

Remove pins from left to right and reinsert pins from right to left (locking block pin first).

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Gen4 'DOT' Connector

Use DOT Connector with all Gen4 models.

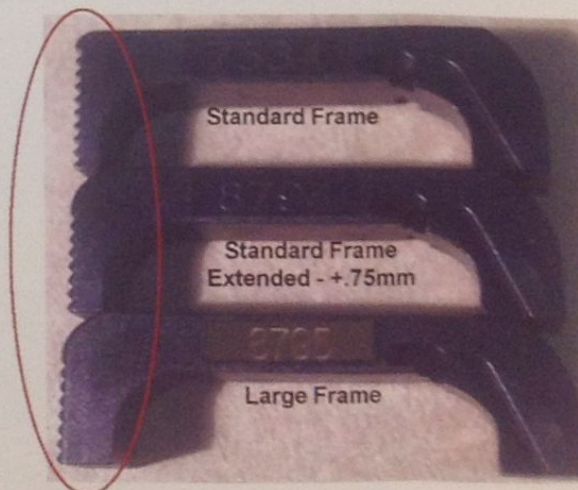


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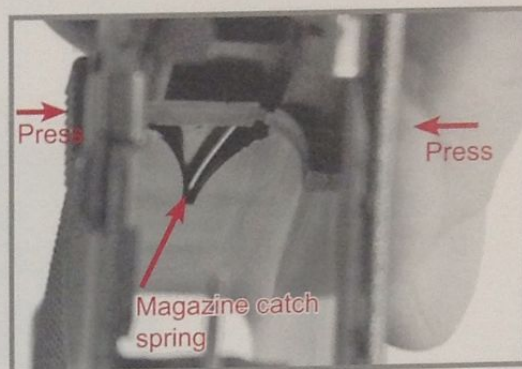
Gen4 Magazine Catch Size Options

- Standard Frame
standard size catch..... #SP 07534
- Standard Frame
extended catch (+.75mm)..... #SP 08794
- Large Frame
standard size catch..... #SP 08795

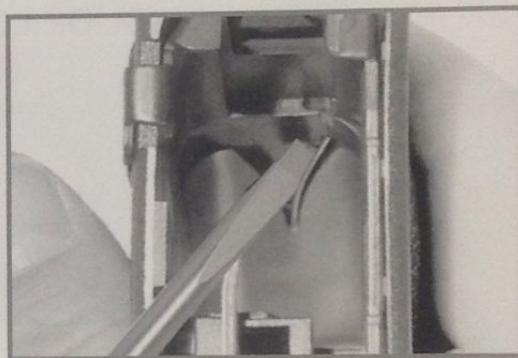


Magazine Catch Removal

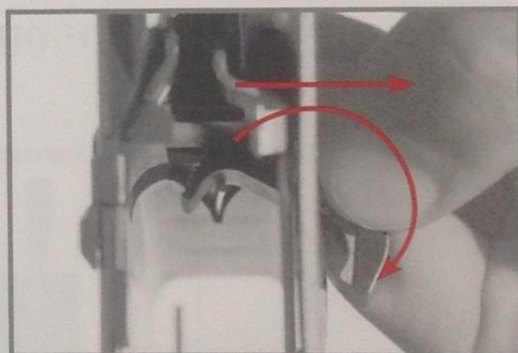
- Hold the frame so that you can see into the magazine well.
- Prevent movement by pressing on both sides of the magazine catch.



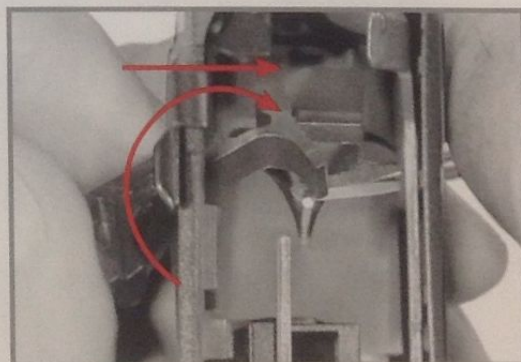
- Use a small screwdriver to push the magazine catch spring up and toward the "U" shaped cut in the magazine catch. This will release the tension from the magazine catch.



- Remove the reversible magazine catch.



- Turn the Magazine catch and reinsert it.
- When the magazine catch meets the magazine catch spring, carefully push up on the spring to allow the magazine catch to slip under the spring.
- Using the small bladed screwdriver, push the end of the spring back into the "U" shaped cut in the magazine catch.
- Check for proper tension and function (use an empty magazine)



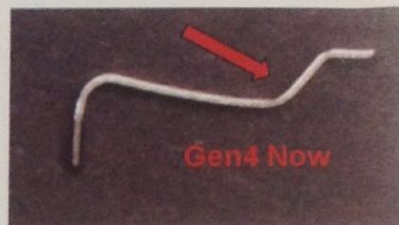
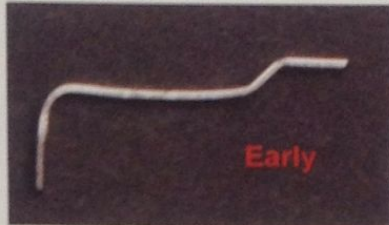
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Gen4 Slide Lock Springs

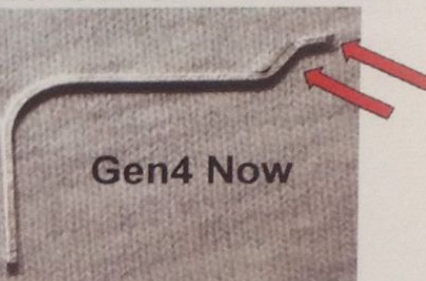
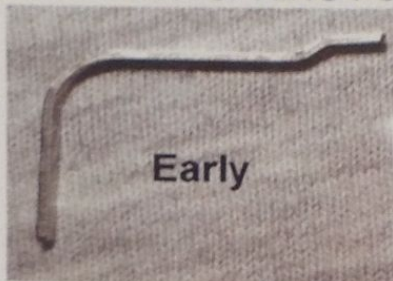
COMPACT
MODELS
(G19/23/32/38)

SLIDE LOCK SPRING FOR COMPACT MODELS



FULL-SIZE
MODELS
(ALL)

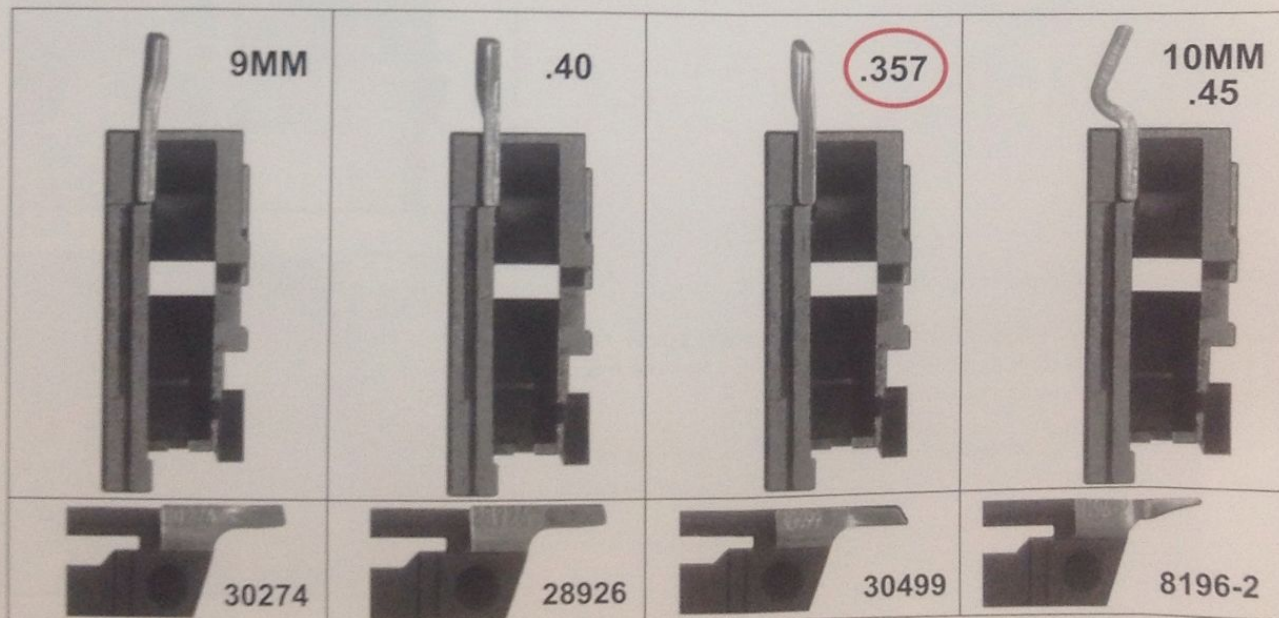
SLIDE LOCK SPRING FOR FULL-SIZE MODELS



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New Ejectors for Gen4 9mm and .40 Cal. Pistols



***NOTE: INCREASED SURFACE AREA OF EJECTOR TIP!**

TRIGGER MECHANISM HOUSING

Gen4 ejectors are provided already assembled into the TMH (Trigger Mechanism Housing).

Part #'s for the Trigger Mechanism Housing with Ejector:

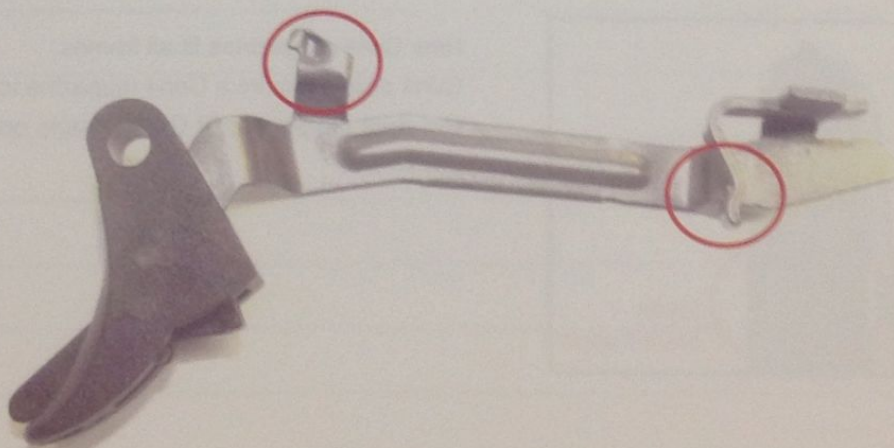
9mm.....	30274
.357.....	30499
.40.....	28926
45/10mm.....	8196-2



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Gen4 Trigger Bar

Gen4 Trigger Bars now have the vertical extension 'dimple' for standard frame models along with a 'groove' for the hook of the coil trigger spring.



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Gen4 Compact Model Locking Block

Standard Frame Compact Model Locking Blocks are different from earlier versions.



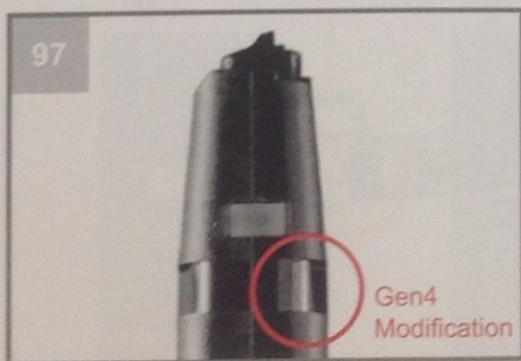
Earlier Generations

Gen 4

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Magazines



New Gen4 magazines fit all frames.

Gen4 pistols require a Gen4 magazine to operate properly.
Old style magazines fit Gen4 Pistols only in right handed position.

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For further information on GLOCK products please contact your local dealer or the GLOCK office that serves your area.